

FIG. 1(a)

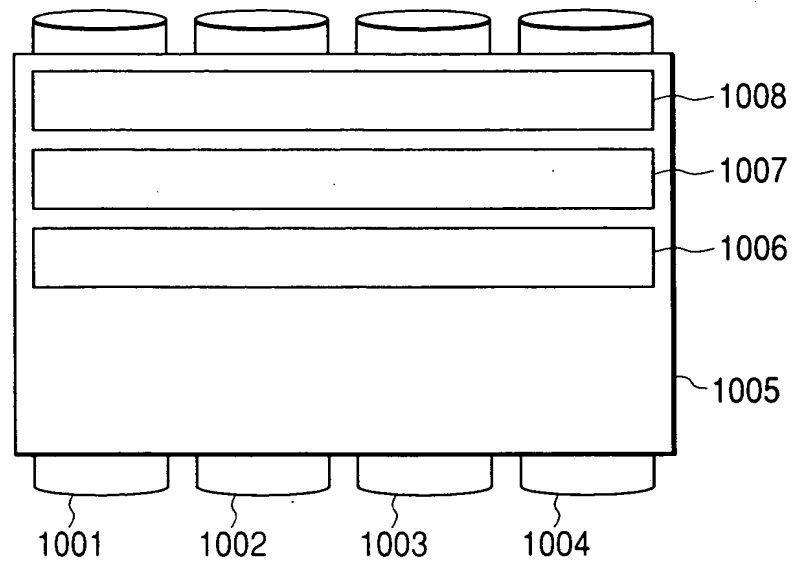


FIG. 1(b)

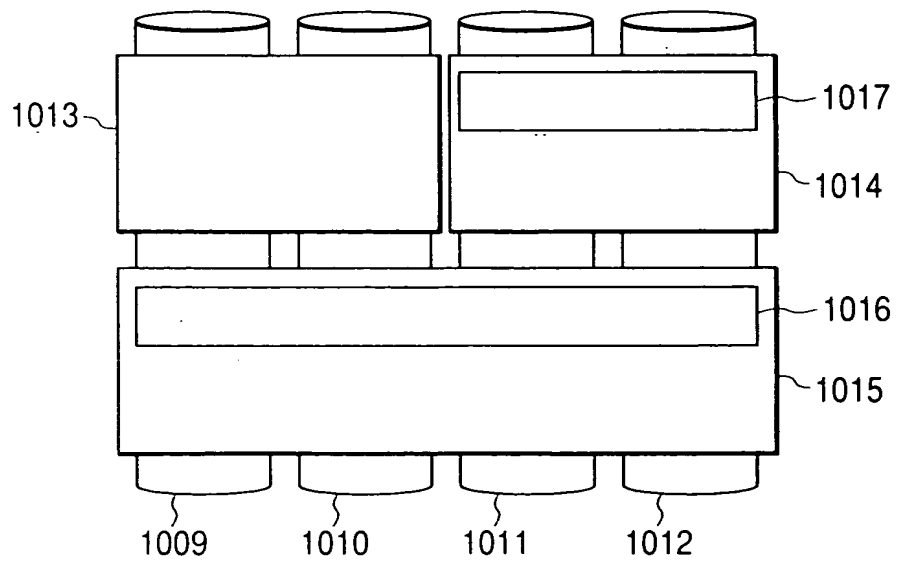


FIG. 2

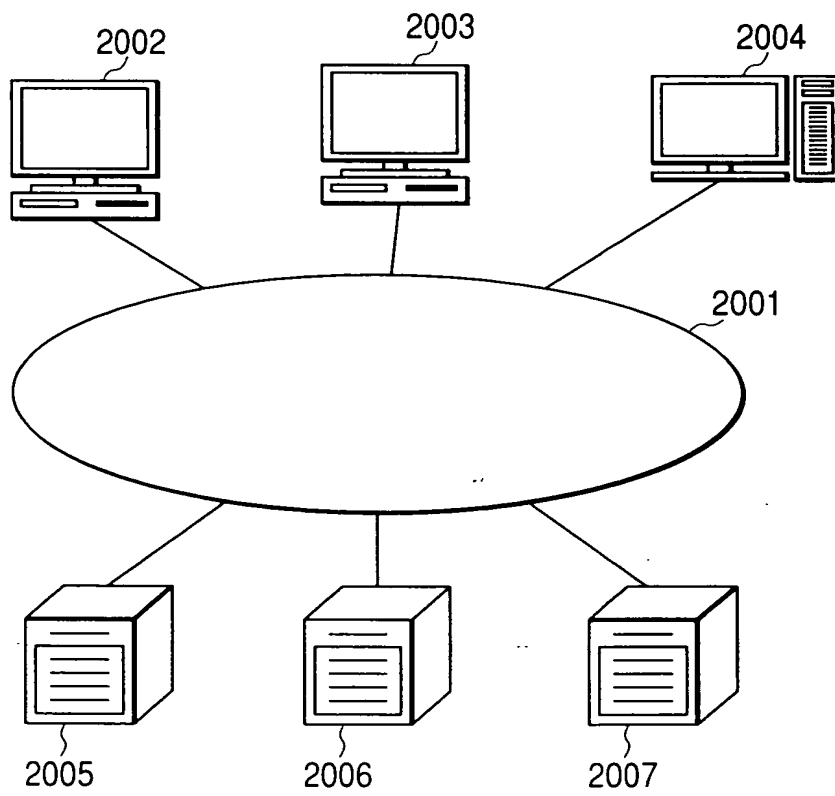


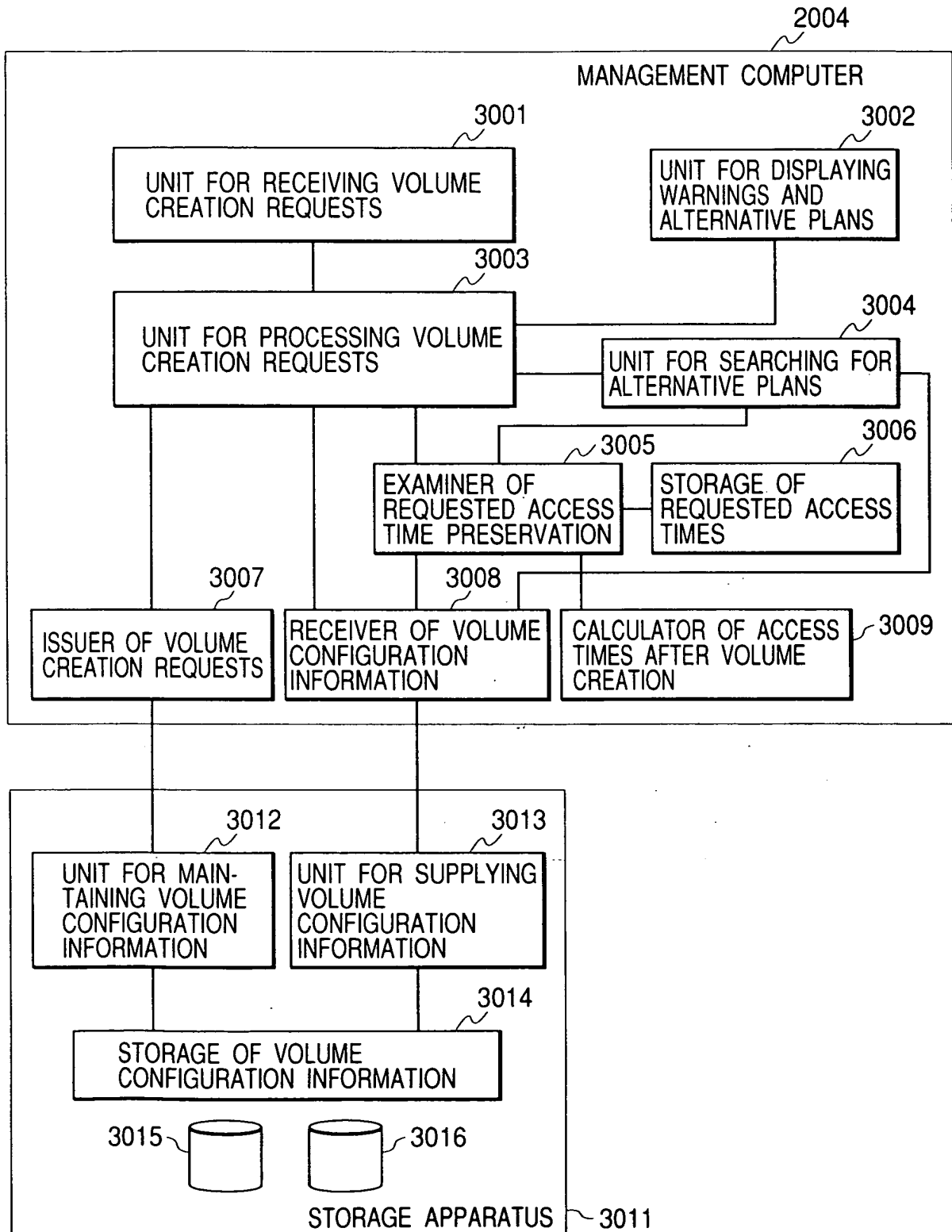
FIG. 3

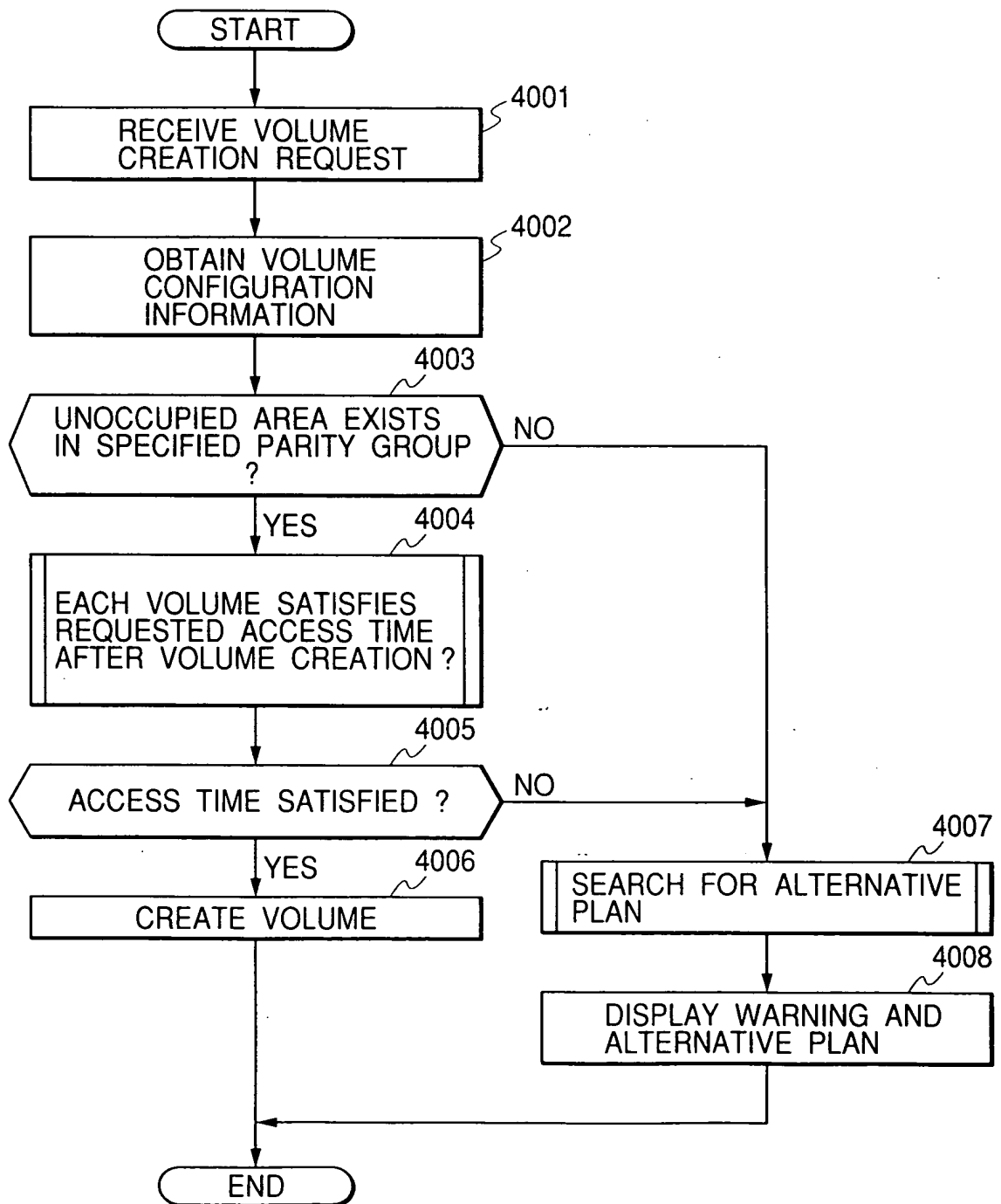
FIG. 4

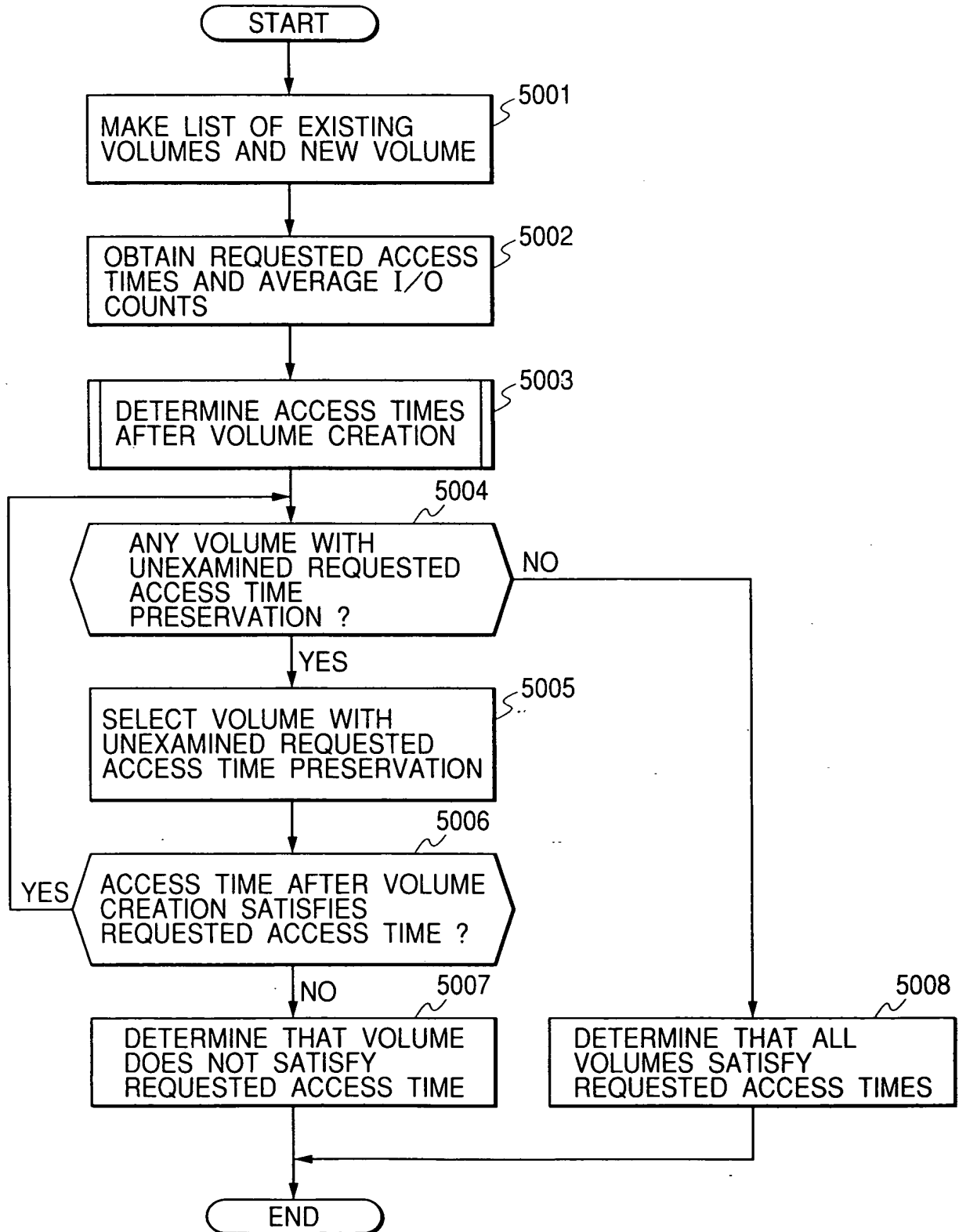
FIG. 5

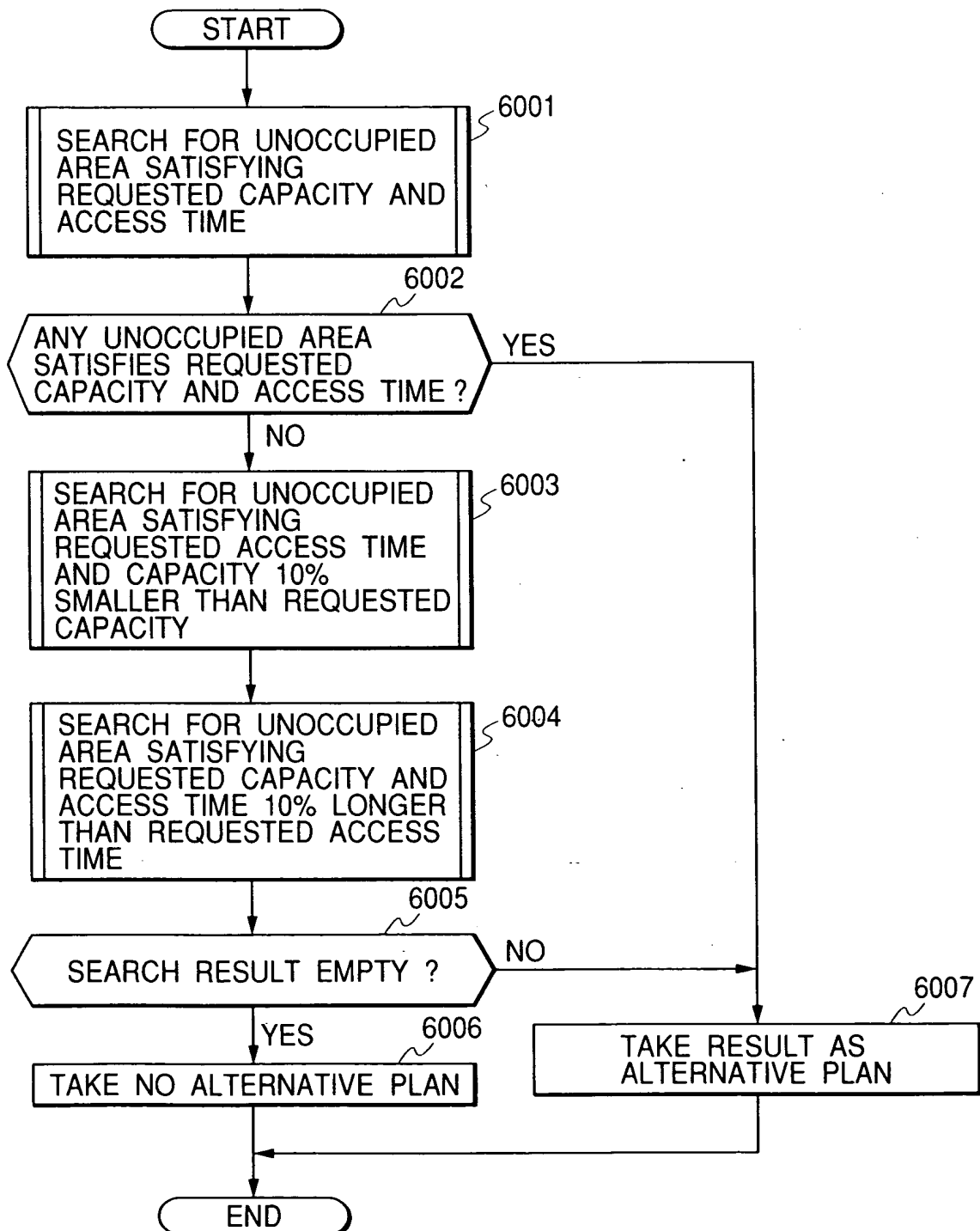
FIG. 6

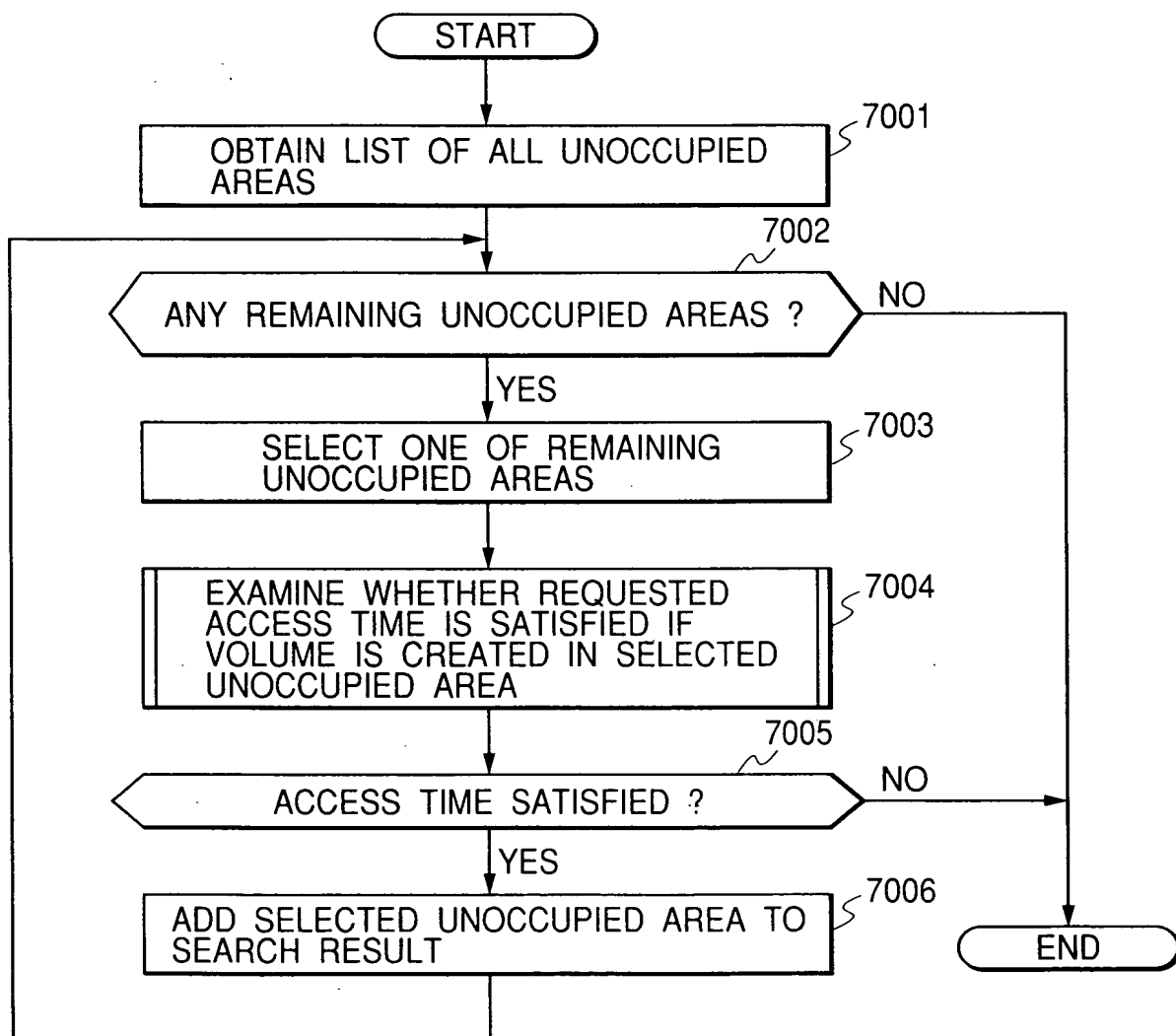
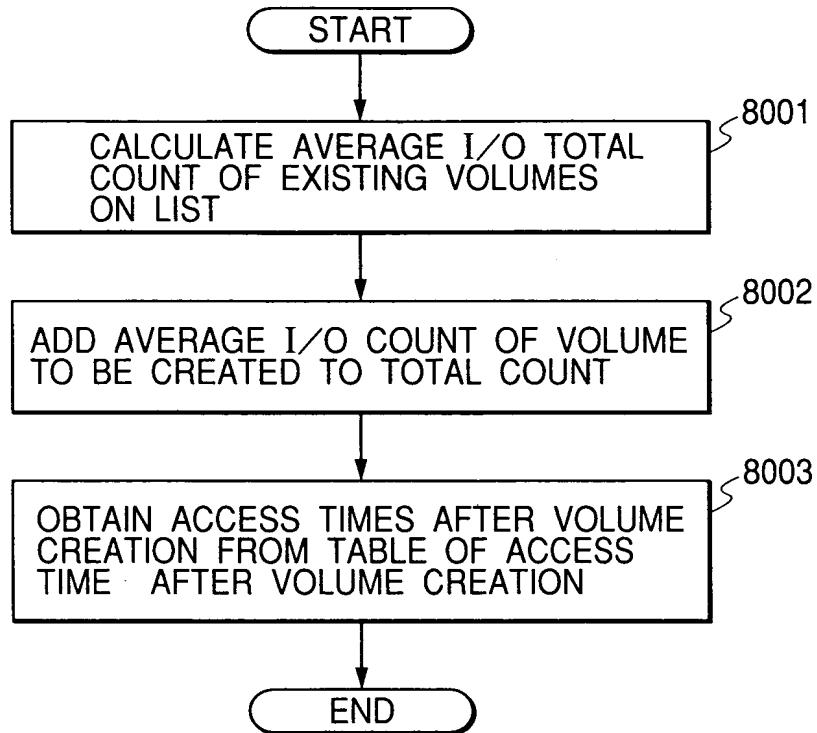
FIG. 7

FIG. 8**FIG. 9**

AVERAGE I/O TOTAL IN SAME PARITY GROUP (DEMANDS/SECOND)	ACCESS TIME AFTER VOLUME CREATION
0—199	20msec
200—499	24msec
500—799	30msec
800—999	40msec
GREATER THAN 1,000	AVERAGE I/O TOTAL COUNT/10msec

9001
9002

FIG. 10

VOLUME	REQUESTED ACCESS TIME	AVERAGE I/O COUNT (DEMANDS/SECOND)
VOLUME 1	30msec	100
VOLUME 2	40msec	200
VOLUME 3	55msec	150
VOLUME 4	45msec	200
VOLUME 5	35msec	300

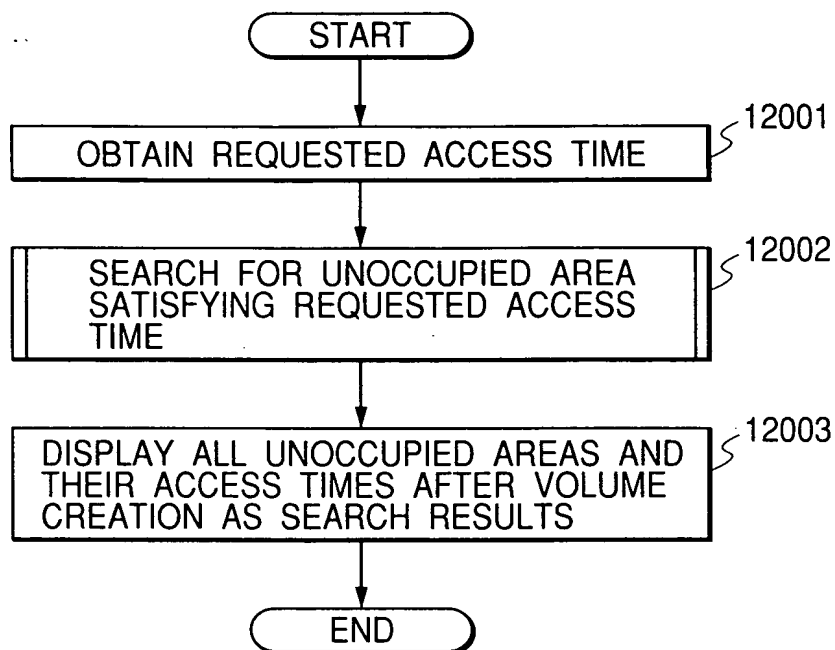
10001 10002 10003

FIG. 11(a)

11001 PARITY GROUP	11002 PHYSICAL DISK	11003 RAID LEVEL
PARITY GROUP 1	PHYSICAL DISKS 1 AND 2	RAID -5
PARITY GROUP 2	PHYSICAL DISKS 3 TO 6	RAID -1
PARITY GROUP 3	PHYSICAL DISKS 7 TO 11	RAID -5
PARITY GROUP 4	PHYSICAL DISKS 12 TO 15	RAID -5

FIG. 11(b)

11004 PARITY GROUP	11005 ASSIGNED ENTITY	11006 CAPACITY (Mbyte)
PARITY GROUP 1	VOLUME 1	3000
	UNOCCUPIED AREA	5000
PARITY GROUP 2	VOLUME 2	5000
	VOLUME 3	8000
	VOLUME 4	2000
	UNOCCUPIED AREA	5000
PARITY GROUP 3	UNOCCUPIED AREA	10000
PARITY GROUP 4	VOLUME 5	5000
	UNOCCUPIED AREA	5000

FIG. 12**FIG. 13**